



IFWO

RAW SEQUENCE LISTING

DATE: 07/30/2004

PATENT APPLICATION: US/10/785,981

TIME: 12:55:56

Input Set : A:\2004-07-26 3884-0120P.ST25.txt

Output Set: N:\CRF4\07302004\J785981.raw

3 <110> APPLICANT: GYEONGSANGNAM-DO
 4 Chulwook, KIM
 6 <120> TITLE OF INVENTION: SCREENING EXPRESSION PROFILE OF GROWTH SPECIFIC GENES IN
 SWINE
 7 AND FUNCTIONAL CDNA CHIP PREPARED BY USING THE SAME
 9 <130> FILE REFERENCE: 3884-0120P
 11 <140> CURRENT APPLICATION NUMBER: US 10/785,981
 C--> 12 <141> CURRENT FILING DATE: 2004-06-26
 14 <150> PRIOR APPLICATION NUMBER: KR 2003-83653
 15 <151> PRIOR FILING DATE: 2003-11-24
 17 <160> NUMBER OF SEQ ID NOS: 5
 19 <170> SOFTWARE: PatentIn version 3.2
 21 <210> SEQ ID NO: 1
 22 <211> LENGTH: 660
 23 <212> TYPE: DNA
 24 <213> ORGANISM: Kagoshima Berkshire
 26 <400> SEQUENCE: 1
 27 gagaccagca aatactatgt gaccatcatt gatgccccag gacacagaga cttcatcaaa 60
 29 aacatgatta caggcacatc ccaggctgac tgtgctgtcc tgattggtgc tgctggtggt 120
 31 ggtgaatttg aagctggtat ctccaagaac gggcagaccc gcgagcatgc tcttctggct 180
 33 tacaccctgg gtgtgaaaca gctgattggt ggtgtcaaca aaatggattc caccgagcca 240
 35 ccatacagtc agaagagata cgaggaaatc gtttaaggaag tcagcaccta cattaagaaa 300
 37 attggctaca accctgacac agtagcattt gtgccaattt ctggttgga tgggtgacaac 360
 39 atgctggagc caagtgtctaa tatgccttgg ttcaagggat ggaaagtcac ccgcaaagat 420
 41 ggcagtgcga gtggcaccac gctgctggaa gctttggatt gtatcctacc accaactcgt 480
 43 ccaactgaca agcctctgcy actgcccctc caggatgtct ataaaattgg aggcattggc 540
 45 actgtccctg tgggcccagt ggagactggt gttctcaaac ctggcatggt ggttaccttt 600
 47 gctccagtca atgtaacaac tgaagtcaag tctgttgaaa tgcaccatga agctttgagt 660
 50 <210> SEQ ID NO: 2
 51 <211> LENGTH: 530
 52 <212> TYPE: DNA
 53 <213> ORGANISM: Kagoshima Berkshire
 55 <400> SEQUENCE: 2
 56 gctgactgat cgggagaatc agtctatctt aatcaccgga gaatccgggg caggaaagac 60
 58 tgtgaacacg aagcgtgtca tccagtactt tgccacaatc gccgtcactg gggagaagaa 120
 60 gaaggaggaa cctactcctg gcaaaatgca ggggactctg gaagatcaga tcatcagtgc 180
 62 caacccctcg ctcgaggcct ttggcaacgc caagaccgtg aggaacgaca actcctctcg 240
 64 ctttggtaaa ttcacagga tccacttcgg taccactggg aagctggctt ctgctgacat 300
 66 cgaaacatat cttctagaga agtctagagt cactttccag cttaaaggcag aaagaagcta 360
 68 ccacattttt tatcagatca tgtctaaca gaagccagag ctcatgaaa tgctcctgat 420
 70 caccaccaac ccatatgact acgccttcgt cagtcaaggg gagatcactg tccccagcat 480
 72 tgatgacca gagagactga tggccacaga tagtgccatt gaaatcctgg 530
 75 <210> SEQ ID NO: 3
 76 <211> LENGTH: 589

ENTERED

RAW SEQUENCE LISTING

DATE: 07/30/2004

PATENT APPLICATION: US/10/785,981

TIME: 12:55:56

Input Set : A:\2004-07-26 3884-0120P.ST25.txt

Output Set: N:\CRF4\07302004\J785981.raw

77 <212> TYPE: DNA

78 <213> ORGANISM: Kagoshima Berkshire

80 <400> SEQUENCE: 3

```

81 gttgttcctt taaatatgat gttgccacaa gctgcattgg agactcattg cagtaatatt      60
83 tccaatgtgc cacctacaag agagatactt caagtctttc ttactgatgt acacatgaag      120
85 gaagtaattc agcagttcat tgatgtcctg agtgtagcag tcaagaaacg tgtcttgtgt      180
87 ttacctaggg atgaaaacct gacagcaaat gaagttttga aaacgtgtga taggaaagca      240
89 aatgttgcaa tcctgttttc tgggggcatt gattccatgg ttattgcaac ccttgctgac      300
91 cgtcatattc ctttagatga accaattgat cttcttaatg tagctttcat agctgaagaa      360
93 aagaccatgc caactacctt taacagagaa ggaataaac agaaaaataa atgtgaaata      420
95 ccttcagaag aattctctaa agatgttgct gctgctgctg ctgacagtcc taataaacat      480
97 tcagtgtacc agatcgaatc acaggaaggg cgggactaaa ggaactacaa gctgttagct      540
99 gatgaccaag aggagctgat ggccacagat agtgccattg aaatcctgg      589

```

102 <210> SEQ ID NO: 4

103 <211> LENGTH: 469

104 <212> TYPE: DNA

105 <213> ORGANISM: Kagoshima Berkshire

107 <400> SEQUENCE: 4

```

108 catttatgag ggctacgcgc tgccgcacgc catcatgcgc ctggacctgg cgggcgcgca      60
110 tctcacgcac tacctgatga agatcctcac tgagcgtggc tactccttct gaccacagct      120
112 gagcgcgaga tcgtgcgcga catcaaggag aagctgtgct acgtggcctt ggacttcgag      180
114 aacgagatgg cgacggccgc ctctctctcc tccttggaag agagctacga gctgccagac      240
116 gggcaggtca tcaccatcgg caacgagcgc ttccgctgcc cggagacgct cttccagccc      300
118 tccttcacgc gtatggagtc ggcgggcatt cagcagacca cctacaacag catcatgaag      360
120 tgtgacatcg acatcaggaa ggacctgtat gccacaacg tcatgtcggg gggcaccact      420
122 gatgaccaag aggagctgat ggccacagat agtgccattg aaatcctgg      469

```

125 <210> SEQ ID NO: 5

126 <211> LENGTH: 507

127 <212> TYPE: DNA

128 <213> ORGANISM: Kagoshima Berkshire

130 <400> SEQUENCE: 5

```

131 tatatagaac cgaatcacgt acactggggc tgaccaagca gggccaaaac aaggcaacct      60
133 aggaggttat aaaataggta tacgcgcgct gacacataca tactcactac ccgaacgcgg      120
135 ggacaactag ggctccgcca taagccatcc ttctctggct gtcgatgttg cgggctgcag      180
137 ttatagggct gccaacgcgc atacacacct taccagccac ttattaagtt acatccacga      240
139 gggctctgta ccacccttaa gcagtggcag tggtagccgc tgcccgttta ccctgcgcag      300
141 tgttggtgct agctccgtcc taagcttccc cgatagccgc cgctttttac acaccatcgg      360
143 cggactagac accggttggt gcagcgtaag cgtctatggt agcagctgcg gcgaccgccg      420
145 tgtagccagc ttactacatg ttagtttcag caaccacct gccaatacc gtgttcccta      480
147 ctccaactct gtcggtttca gccgcag      507

```

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/785,981

DATE: 07/30/2004

TIME: 12:55:57

Input Set : A:\2004-07-26 3884-0120P.ST25.txt

Output Set: N:\CRF4\07302004\J785981.raw

L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date